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**FAX TRANSMISSION COVER SHEET**

Date: 02/24/2006

To: TC 1637  
US Patent and Trademark Office      Fax: (571) 273-8300

From: Kenneth K. Sharples  
LC/IP      Phone: (505) 667-0304  
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Re: 09/862,855  
S-94,652  
Peter M. Goodwin

Sender: Sharon Ruminer

**YOU SHOULD RECEIVE ( 7 ) PAGES, INCLUDING THIS COVER SHEET.  
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**Comments:**

*Included in this facsimile transmittal is the following document for filing in the above-identified patent application:*

**Response to Election Requirement**

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FEB 24 2006

Rev. 06/04/04

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Peter M. Goodwin Docket No.: S-94,652  
5 Serial No.: 09/862,855 Examiner: Strzelecka  
Filed : 5/21/2001 Art Unit: 1637  
10 For : RAPID HAPLOTYPING BY SINGLE MOLECULE DETECTION  
Customer No. 35068  
15 Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO ELECTION REQUIREMENT**

20 Sir:  
In response to the requirement for election set forth in the Office Action  
dated 24 January 2006, please enter the elections which begin on page 2 of this  
25 paper.

A current listing of claims begins on page 3 of this paper.

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**CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))**

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35 Commissioner for Patents, P.O. Box 1450,  
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40 Date 2/24/06 \_\_\_\_\_  
Signature Sharon Ruminer

Sharon Ruminer \_\_\_\_\_  
(type or print name of person certifying)

SN 09/862,855  
Docket No. S-94,652  
In Response to Office Action dated 01 January 2006

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## SPECIES ELECTIONS PURSUANT TO REQUIREMENT FOR ELECTION

45

The Office defined several patentably distinct species to which the claims are directed, and requires election of one species from each of the species groups I-III, and one species from either group IV or V.

50 In response, applicants hereby elect the following species:

Group I / Probe detection method: applicants elect species B, detection using confocal microscopy (claims 1-4, 6-21);

55 Group II / Probe characteristics: applicants elect species C, luminescence emission spectral distribution (claims 1-21) ;

Group III / Type of hybridization probes by label: applicants elect species H, single dye molecules (claims 1-21); and,

60

Group IV / Single probe species: applicants elect species N, single probes are oligo DNA (claims 1-21).